

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 12/20/2021 10:41 AM
Cytometer Baseline: 12/16/2021 09:10 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 32272 **Expiration Date:** 09/30/2022
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124708	-1	2.10	124581	2.10
Blue	F	SSC	125000	125250	0	2.72	125817	2.55
Blue	E	FITC	14284	13688	-5	2.94	383	13.73
Blue	D	PE	23919	23507	-2	2.52	556	10.97
Blue	B	PerCP-Cy5-5	31332	30662	-3	3.57	876	15.59
Blue	A	PE-Cy7	22272	21949	-2	5.49	454	31.97
Red	C	APC	47768	47036	-2	2.68	1616	11.88
Red	A	APC-Cy7	25313	24357	-4	3.04	694	12.53
Violet	B	V450	7085	6653	-7	3.35	465	11.26
Violet	A	V500	26969	25837	-5	2.80	886	8.22

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23758	3.93	589	0	N/A	N/A	Pass
Blue	F	SSC	55970	2.40	526	5	N/A	N/A	Pass
Blue	E	FITC	58	54.24	496	-5	0.0423	48	Pass
Blue	D	PE	109	38.51	494	-3	0.3424	227	Pass
Blue	B	PerCP-Cy5-5	137	44.33	584	-4	0.0184	106	Pass
Blue	A	PE-Cy7	75	83.92	630	-5	0.0205	2	Pass
Red	C	APC	336	27.50	580	0	0.0264	226	Pass
Red	A	APC-Cy7	129	36.37	552	-3	0.0062	1668	Pass
Violet	B	V450	79	45.76	457	-6	0.0552	2043	Pass
Violet	A	V500	105	31.87	469	-5	0.0258	1063	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.98	-31.74	0.98
Blue	20.37	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.42
Red	13.91	13.60 - 20.40	N/A	N/A	30.05	30.29	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 14027

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments